



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

The 1920 Summer Meeting of the Association

The fifth summer meeting of the Mathematical Association of America will be held at the University of Chicago on Monday, September 6, 1920, followed by the summer meeting of the American Mathematical Society on Tuesday, and the ninth Colloquium of the Society Wednesday to Saturday. This arrangement of the meetings was decided upon by the combined committees of the Association and Society after careful consideration of various possible plans and consultation with some thirty persons who attended the summer meetings and Colloquium at Cambridge in 1916. The principal reasons for thus condensing all the meetings within one week, rather than, for example, putting the Association meetings on the Friday and Saturday preceding, are (a) the saving of expense and the avoidance of too prolonged tension for those attending the meetings of both organizations; (b) the inability to secure the room accommodations at the University earlier than September fifth or later than September eleventh.

The Association coöperates heartily with the Society in magnifying the Colloquium by limiting its own sessions to one day and making it convenient for its members to attend the sessions of the Society and the Colloquium on the following days, which, it is believed, very many will desire to do. The Colloquium speakers will be Professor G. D. Birkhoff of Harvard University and Professor F. R. Moulton of the University of Chicago.

At no little inconvenience the University of Chicago has consented to open two of its dormitories, one for men and one for women, during the week of these meetings, at a nominal price for rooms (compared with hotel rates). The rooms may be occupied from Sunday, September 5, to Saturday, September 11. The most advantageous arrangements possible for meals will also be arranged.

Full details regarding rooms and board will accompany the program, which will be mailed under first-class postage early in August. If there is any doubt as to prompt forwarding of your mail to your summer address, please inform the Secretary and he will send your notice directly to you wherever you may be.

This will be the only preliminary announcement of the summer meeting. Reservation cards for rooms will accompany programs, and these should be returned immediately on receipt, in order to insure accommodations.

Robbins's New Plane Geometry

By EDWARD RUTLEDGE ROBBINS, A.B.

Formerly of Lawrenceville School, Lawrenceville, N. J.

A reconstruction of the author's Plane Geometry, following many suggestions of the Final Report of the National Committee of Fifteen on Geometry Syllabus.

The exercises, in addition to being simplified, have been introduced in direct connection with the theorems to which they apply. Many of them are given in concrete settings with practical application to everyday affairs. Throughout, the pages are open and attractive. This book has been written *for the pupil* and anticipates his difficulties.

AMERICAN BOOK COMPANY

NEW YORK CINCINNATI CHICAGO BOSTON ATLANTA

WELLS AND HART'S ALGEBRA

Thirteen states adopt algebras for exclusive use in High Schools. Wells and Hart is the official book in eight of these states. No other algebra has more than one state adoption. The Wells and Hart Algebra has more state adoptions than all the other algebras combined.

WELLS AND HART'S GEOMETRY

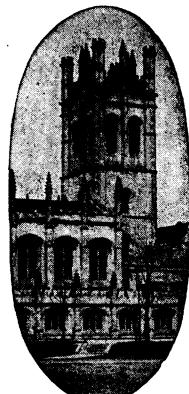
Among the features of this Geometry which have received unqualified praise are the following: (1) Its embodiment of pedagogical insight and experience; (2) its beginning with easy and practical matters; (3) the happy device by which a minimum course of exceptional clearness and utility is provided without detracting from the successful use of the book in meeting the exacting demands now made upon secondary school mathematics.

WELLS AND HART'S NEW HIGH SCHOOL ARITHMETIC

In addition to providing for a brief and thorough review of the fundamental topics, the authors give prominence to industrial and commercial applications, such as automobile insurance, income and inheritance taxes, codes for marking goods, and scores of other modern ideas.

D. C. HEATH & CO., Publishers

Boston New York Chicago Atlanta San Francisco London



Mitchell Tower

The University of Chicago

Offers instruction during the Summer Quarter on the same basis as during the other quarters of the academic year.

The undergraduate colleges, the graduate schools, and the professional schools provide courses in Arts, Literature, Science, Commerce and Administration, Law, Medicine, Education, and Divinity. Instruction is given by regular members of the University staff which is augmented in the summer by appointment of professors and instructors from other institutions.

Summer Quarter, 1920

1st Term June 21--July 28 2d Term July 29--Sept. 3

Detailed announcements will be sent upon application

THE UNIVERSITY OF CHICAGO, Chicago, Ill.

UNIVERSITY OF COLORADO SUMMER QUARTER 1920

First Term, June 14 to July 21. Second Term, July 22 to August 28

Graduate and undergraduate courses in Arts, Engineering, Law and Medicine, Ophthalmology (at Denver). Daily open lectures of general interest and educational value.

Courses for teachers, principals, and superintendents in many departments. Many courses counting toward professional requirements of Colorado Certification Law.

In the foothills of the Rockies; ideal location for summer study and recreation; weekly conducted excursions to points of interest. Boulder is the south gateway to Rocky Mountain National Park.

For Bulletin and further information, address the Registrar,

**THE UNIVERSITY OF COLORADO
BOULDER, COLORADO**

UNIVERSITY OF WISCONSIN SUMMER SESSION 1920

June 28th to August 6th. Law School, June 28th to September 3d

350 Courses. 230 Instructors. Graduate and undergraduate work leading to the bachelor's and higher degrees. Letters and Science, Medicine, Engineering, Law and Agriculture, (including Home Economics).

Strong courses in Solid Geometry, Algebra, Trigonometry, Analytic Geometry, Calculus, and Mathematical Theory of Investment. Special courses in the Teaching of Secondary Mathematics. Advanced and Research Courses leading to higher degrees.

Special attention will be paid to the needs of high school and college teachers.

Favorable Climate

Lakeside Advantages

One fee for all courses, \$20 except Law (10 weeks) \$32. For detailed announcements, address

Registrar, University, Madison, Wisconsin

MORITZ' MEMORABILIA MATHEMATICA

PRESS COMMENTS

American Mathematical Monthly. "The book is very interesting and stimulating. Many view-points that are presented contain a challenge to the thinking mind."

Nature (London). "The preparation of this volume must have involved enormous labor. Many writers and teachers will be grateful to the author for providing them with this anthology of mathematical philosophy."

School Science and Mathematics. "This volume is in all respects a chef-d'oeuvre".

THE MACMILLAN COMPANY

64-66 Fifth Avenue

NEW YORK

Texts With The Modern Idea

Lennes & Jenkins—APPLIED ARITHMETIC

the Three Essentials

FOR ELEMENTARY SCHOOLS

Vol. 1, \$.72; Vol. 2, \$.80; Vol. 3, \$.88

Learning by doing, the keynote of modern pedagogy, is the root of this latest arithmetic course. In selection and organization of its material the authors have been governed throughout by a pragmatic philosophy. They establish not only a thorough grounding in theory, but drive home that theory with an unusual volume of drill material so selected as to identify the subject with its practical uses and to induce from those uses the fundamental technic.

Auerbach & Walsh—PLANE GEOMETRY

First Study Complete, \$1.32

This geometry is based on a recognition of the values of applied geometry as an introduction to the subject. Beginning with a brief syllabus emphasizing interest and application, the first study gives the minimum essentials and the industrial values which have hitherto never met due consideration. This part may be had separately and is ideal for the Junior High School. Growing from this the Second study gives the college preparatory student a sympathetic and aggressive command over the methods of his subjects and lays foundation for individual thinking in mathematical fields.

Write for Descriptive Circulars of New Texts

J. B. LIPPINCOTT COMPANY

PUBLISHERS East Washington Square PHILADELPHIA

CHICAGO BOSTON ATLANTA MONTREAL LONDON

Teachers Wanted

Teachers of Mathematics, Men and Women, needed for College and School vacancies. Salaries, \$1500 to \$2400. Apply for enrollment to

THE INTERSTATE TEACHERS' AGENCY

Machecha Building

New Orleans, Louisiana

The American Mathematical Monthly

No reprints of articles are furnished to contributors free of charge. Two or three copies of an issue are, however, sent to contributors of longer articles. Orders for reprints, at rates indicated below, should be made when returning galley proof to the Editor-in-Chief.

	4pp.	8pp.	12pp.	16pp.			4pp.	8pp.	12pp.	16pp.
25 copies.....	\$1.45	\$2.50	\$3.75	\$4.55	100 copies.....		\$2.35	\$4.05	\$5.70	\$6.80
50 " "	1.70	3.00	4.45	5.35	150 " "		2.90	4.95	7.05	8.25
75 " "	2.05	3.55	5.15	6.00	200 " "		3.20	5.40	7.70	9.00

Covers extra, on regular stock: 25 copies \$1.75, and $1\frac{1}{2}$ c for each additional copy

THE NEW ERA PRINTING COMPANY

LANCASTER, PA.

Is prepared to execute in first-class and satisfactory manner all kinds of printing and electrotyping. Particular attention given to the work of Schools, Colleges, Universities, and Public Institutions.

Books, Periodicals

Technical and Scientific Publications

Monographs, Theses, Catalogues

Announcements, Reports, etc.

All Kinds of Commercial Work

(Printers of the Bulletin and Transactions of the American Mathematical Society, etc., etc.)

Publishers will find our product ranking with the best in workmanship and material, at satisfactory prices. Our Imprint may be found on a number of high-class Technical and Scientific Books and Periodicals. Correspondence solicited. Estimates furnished.

THE NEW ERA PRINTING COMPANY

A Notable New Mathematics Text

Elementary Applied Mathematics

115 pages, $5\frac{1}{4}$ x 8. Cloth, \$1.25 net.

A Practical Course for General Students

By W. PAUL WEBBER, PH.D., Professor of Mathematics in the University of Pittsburgh.

A complete, general and practical course giving mathematical training of use in everyday affairs. A knowledge of only elementary algebra and geometry on the part of the student is necessary.

(In press—Ready April, 1920.)

Introductory Mathematical Analysis

By W. PAUL WEBBER, PH.D., and LOUIS CLARK PLANT, M.Sc., Professor of Mathematics in Michigan Agricultural College.

A brief, direct treatment, correlated by topics—graphic representation and its uses, the solution of simultaneous equations, trigonometric functions, and vectors, among others.

304 pages. $5\frac{1}{4}$ by 8. 110 figures. Cloth \$2.00 postpaid.

Analytic Geometry

By MARIA M. ROBERTS, Professor of Mathematics, and JULIA T. COLPITTS, Associate Professor of Mathematics, Iowa State College.

In this valuable text polar coordinates have received more than usual attention and transcendental and parametric equations considerable space. Numerous exercises of varied character add materially to its value.

229 pages. 5 by $7\frac{1}{4}$. Illustrated. Cloth \$1.60 postpaid.

Sent for FREE EXAMINATION

JOHN WILEY & SONS, Inc.

432 Fourth Avenue

NEW YORK

London: CHAPMAN & HALL, Ltd.

**MONTREAL, CAN.:
Renouf Publishing Co.**

**MANILA, P. I.:
Philippine Education Co.**